

ENTERPRISES
University of Pretoria

# Root Cause Analysis for Construction, Minerals and Mining (RCAMM)

**Presented by the Department of Engineering and Technology Management, University of Pretoria**

The short course in **Root Cause Analysis for Construction, Minerals and Mining (RCAMM)** provides you with a structured system to enable effective investigation of accidents in the workplace. The course will enable you to search backward from an undesirable effect (or problem) to its cause(s) and addressing those causes. The root cause analysis outcome is to identify potential causes, determine which cause or causes are root causes and address those root causes to ensure the effect (the problem) does not recur. RCA is important because if a problem has occurred once, it most likely will occur again. However, if the root cause is found and addressed, future incidents of the same problem can be prevented.

RCAMM is a structured, team-based, analytical approach that when used correctly can alleviate chronic failure problems in an organisation. In this course, you will learn to apply several practical, systematic methods for analysing performance problems to uncover root causes.

## Course content

The RCAMM course consist of seven modules presented over a period of 3 days.

Module 1: Duties and responsibilities
Module 2: Terms, definitions and causation model
Module 3: Human Error
Module 4: Investigations, Analysis and Learning from Incidents (LFI)
Module 5: Gathering data, interview techniques and time lines
Module 6: Causal analysis
Module 7: Controls (preventive, mitigating and effectiveness)

## Learning outcomes

After successfully completing this course, you will be able to

- Describe the Incident Investigation process.
- Explain the theory and principles of incident investigation.
- Show that you understand the fundamentals of evidence gathering and organising.
- Explain the immediate actions after an incident.
- Explain the Preliminary Investigation Process.
- Explain the Incident Cause Analysis Process.
- Develop corrective action recommendations.
- Write an investigation report.
- Explain the follow-up and closeout process.

## Who should enrol?

This course is ideal for you if you are involved in incident investigations and remedial action identification and implementation (Risk Managers and Practitioners, Engineers, Health and Safety Managers and Practitioners, Contractor Managers, Internal and External Auditors, Risk Assurance Personnel, Front Line Supervisors).

## Course fees

**Course fees must be paid in full 14 days prior to course start dates. Proof of payment can be submitted to enrolments@enterprises.up.ac.za.**

## Accreditation and certification

Enterprises University of Pretoria (Pty) Ltd is wholly owned by the University of Pretoria. As a public higher education institution, the University of Pretoria functions in accordance to the Higher Education Act 101 of 1997. Enterprises University of Pretoria offers short courses on behalf of the University and these short courses are not credit-bearing, and do not lead to formal qualifications on the National Qualifications Framework (NQF) – unless stated otherwise. Delegates who successfully complete a short course and comply with the related assessment criteria (where applicable) are awarded certificates of successful completion and/or attendance by the University of Pretoria.

## Registration and enquiries

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*Shifting knowledge to insight*